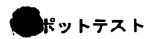
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Patent Abstracts of Ja



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試料溶液 0.1ml

APPLICATION DATE

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APPLICANT:

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INT.CL.

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TITLE

PLATE FOR DETECTING FLUORIDE ION, AND METHOD FOR JUDGING CONCENTRATION OF FLUORIDE ION

USING THE PLATE

30分間静置

(b)





ABSTRACT :

PROBLEM TO BE SOLVED: To provide a method capable of performing simplified visual quantitative determination of the concentration of fluoride ions.

SOLUTION: An octadecil group binding silica gel (ODS) plate used for thin-layer chromatography is pregnated with an La-ACL complex to be used as a solid phase medium. A sample containing fluoride ions is spotted on the ODS plate for performing spot tests. In the spot test, 2:1:1 mixed solution of sample solution containing fluoride ions, buffer solution, and ethanol is spotted on the dipping plate by 0.1 ml, is wiped off after the mixed solution is placed quietly for 30 minutes, and the color is viewed to judge the concentration of the fluoride ions. Spotting the sample solution on the thin-layer plate where La-ALC complex is dipped causes the color of a red-ultraviolet plate to change from blue to white depending on the concentration of the fluoride ions.

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